

## Safety Advisory Committee

June 6, 2014  
1:30 – 3:00 PM

### Minutes

Committee Member	Representing	Present
V. Potapenko, M. O. Leimer, J. Willen	Human Resources Advisors	X
Blodgett, Paul M.	Environment, Health and Safety Division	
Bluhm, Hendrik	Chemical Sciences Division	
Buonsanti, Raffaella	Materials Sciences Division	X
Christensen, John N.	Earth Sciences Division	X
Dardin, Steve	Physics Division	
Franaszek, Stephen	Genomics Division	X
Giuntoli, Patricia	Computing Sciences Directorate	X
Greiner, Leo	Nuclear Science Division	
<i>vacant</i>	Environmental Energy Technologies Division	
Martin, Michael C.	Advanced Light Source Division	X
Sauter, Nicholas	Physical Biosciences Division	
Seidl, Peter	Accelerator & Fusion Research Division; SAC Chair	X
Taylor, Scott E.	Life Sciences Division	X
Tomaselli, Ann	Information Technology Division	
Tucker, Eugene	Facilities Division	
Thomas, Patricia M.	Safety Advisory Committee Secretary	X
van der Lippe, Henrik	Engineering Division	

**Others Present:** Kim Abbott, Al Benitez, Michael Carr, John Chernowski, Rod Clark, Joe Dionne, Julie Drotz, Pedro Estacio, Jim Floyd, Michelle Flynn, Howard Hatayama, Mike Kritscher, Quang Le, Peter Lichty, Scott Robinson, Barbara Tuse, Aaron Ward, Bill Wells, Mike Wisherop

### **Comments from the Chair – Peter Seidl**

Jennifer Willen was introduced as one of our Human Resources advisors. Leo Greiner is the new representative for Nuclear Science Division. Dr. Peter Lichty introduced Dr. Pedro Estacio, who is transitioning into the Health Services physician position in preparation for Peter Lichty's retirement this month.

We are starting to get requests to be able to videoconference into SAC meetings, using the new FUZE system. Pat Thomas requested assistance from someone experienced in using FUZE to help set up for the July meeting. Patti Giuntoli offered to find someone to help.

Jim Floyd and Peter Seidl have met with several Division Directors to obtain feedback on the Peer Review process. They learned that Divisions would like to link the Peer Review topics to their Division Self-Assessment topics. Associate Lab Directors would like to be included in the outbriefings for Peer Reviews for the Divisions in their groups. A Peer Review of the Facilities Division is in progress now, with a draft report expected by the end of July. Peter Seidl and Jim Floyd will be working on setting up a schedule of future Peer Reviews.

### **Nuclear Science Division Peer Review Response & Feedback – Rod Clark and James Symons**

The Nuclear Science Division (NSD) Peer Review took place about a year ago. Since then, the leadership of the Division has transitioned from James Symons to Roderick Clark, who has been Acting Division Director since October. In general, NSD found the Peer Review process effective and useful, and they are taking action on the recommendations. The review focused on safety communication and management of User safety at the 88" Cyclotron. The recommendations included:

1. Improve top-down communication of safety through Line Management. NSD now includes a Safety Minute discussion at all senior management meetings.
2. Expand the safety walkaround program to include offices as well as technical areas. Previously, Principle Investigators were asked to perform quarterly walkarounds in technical areas. Now there are scheduled walkarounds of offices and technical areas by the Division Director, Division Deputy, and PIs.
3. Improve safety communication to employees who might not attend the Monday morning all-hands meetings. Some matrixed staff and shift workers from the 88' were not participating in the all-hands meetings and were missing out on the safety communications. NSD is now scheduling important issues to be discussed at several group meetings, including those at the 88".
4. Identify opportunities to collaborate on safety solutions. Mike Johnson from the 88' is now on the Electrical Safety Subcommittee. Division Safety Coordinator Marty White is working with other DSCs on offsite safety issues.
5. Coordinate 88" User safety with other LBNL User facilities. NSD is looking at integrating safety planning with ALS for Users who work at both facilities.

James Symons commented that the review process took a long time and he would like to see better scheduling of future reviews. Rod Clark indicated he would be willing to participate as a Peer Reviewer for another Division.

Marty White posts her Safety Minute presentations on line at:

<https://sites.google.com/a/lbl.gov/nsdmmm/?pli=1>

## **ESH Documents Pipeline / Traffic Escorts – Mike Wisherop and Aaron Ward**

The safety policies in development that have had some change in status since the last meeting are the ones in green on the pipeline table:

Revision Type	Documents	Program/Policy	Significance	Status
Traffic Safety Program and Policy Minor – Major Revision	RPM, ESH Manual	Traffic Safety	C	Adding processes for escorting larger vehicles to locations on site. Defining and prohibiting the use of unconventional vehicles used during work. Clarifications, and grammatical improvements. Significance analysis done.
Sharps Safety – New Policy and Program	RPM, ESH Manual	Sharps Safety	TBD	Waiting on significance analysis
Roof Access – New Policy and Program	RPM, ESH Manual	Roof Access	TBD	Waiting on significance analysis
Construction Safety – Major Revision	ESH Manual	Construction Safety	C	Rewriting of the entire document.
Laser Safety – Minor Change (Baseline eye exam optional)	EHS Manual	Laser Safety	D	Waiting for text changes
Pressure Safety and Cryogenics Program Major Revision	ESH Manual	Pressure Safety and Cryogenics Program	C	Working group meetings, working on draft changes, implementation plan drafted.

The first item, proposed revisions of the traffic safety program, was discussed. The Traffic Safety committee has been working on clarifications to the prohibition of “unconventional vehicles” such as skateboards, scooters, Segways, some “art vehicles”, etc.

The current pilot car program places the burden on subcontractors to provide pilot cars for vehicles greater than 40 ft. in length. Construction sites and Shipping and Receiving generally have systems in place. Bldg. 69 Receiving has a process to provide escort and instructions for drivers new to the site.

There have been problems with large trucks getting lost, going the wrong way, hitting vehicles or objects, and/or obstructing traffic while making deliveries to non-Facilities locations. There was a case of untrained employees attempting to direct a parking truck and backing it into a stop sign. Some delivery vehicles have difficulty getting around the Bevatron circle.

Protective Services can provide a courtesy escort -- but not full pilot car services, which would include blocking traffic and providing warnings of the approach of a large vehicle) on request. The UCPD rovers are pulled from other patrol duties when needed. The rovers are not trained and equipped for pilot car duties. There are only two rovers, and they are sometimes offsite and not immediately available, so this service needs to be requested and scheduled in advance. There is information about the escort service on the construction safety webpage for subcontractors at: <http://www2.lbl.gov/ehs/ssa/cssa/index.shtml>. There will be some policy decisions for Lab Management on who pays for escort vehicles.

### **Work Planning and Control Soft Launch Planning – Michelle Flynn**

Work Planning and Control (WP&C) system will replace the JHAs and most work authorizations (AHDs, RWAs, etc.). The “beta test” discussion of the system with selected users has been completed. Now we are starting to prepare for the “Soft Launch”, which will take place during August - October. The “soft launch will include:

- Each Division deciding how to organize their work into Projects, identifying Project Leads, and practice entering them into the Activity Manager application of WP&C. Divisions will need to decide which employees are qualified to be Project Leads and Activity Leads.
- EHS Liaisons and Division Safety Coordinators (DSCs) working with the Project Leads to identify a sample of Activities, assigning Activity Leads, and practice entering them into the Activity Manager application.
- Divisions providing feedback to EHS on hazards and controls.
- EHS Liaisons and DSCs working with Activity Leads to practice the processes for assigning and authorizing workers. Note: The information entered into the database during the “Soft Launch” will be saved, but will not be official authorizations.
- Each DSC developing a plan for their Division to transition from current work planning and authorization systems to WP&C during FY15, and updating the Division ISM Plan accordingly.

When the transition to WP&C is complete, current work authorizations (JHAs, BUA, AHDs, etc.) will be replaced by WP&C authorizations.

Michelle Flynn and Scott Taylor are organizing a series of workshops for DSCs to provide updates, answer questions, and facilitate sharing of information on how they are planning the transition process. Jim Floyd emphasized the need for SAC members to support DSCs in preparing for and executing the soft launch within their divisions.

In a follow-up email, Michelle shared the link to the soft launch overview presentation.

### **Accident Preventability – Peter Lichty**

Dr. Lichty has been working to develop a system that will help us focus our efforts on accident types that could likely be prevented. This system will help us tailor accident investigations to an appropriate level, ranging from a complete Root Cause Analysis to a simple checklist. Preventable accidents are those at the intersection between things that matter (significant consequences) and things that can be controlled. Factors considered include:

- Was the hazard known? Who knew, or should have known, about the hazard? Was the existence of the hazard communicated?
- How easy would it be to control the hazard? Is the appropriate and effective control obvious? How much effort and funding would be required to implement the control?

Dr. Lichty and Ross Fisher have reviewed recent accidents at LBNL and determined that most accidents involved known hazards and were highly preventable. There were some accidents, such as those that occur during offsite travel, that are more difficult to prevent. When we see increases in highly preventable accidents, such as sharps injuries, the trends should be communicated to Division Directors to help Divisions focus their hazard awareness communication and control efforts on preventing these injuries.

### **Roof Access Policy – Barbara Tuse**

The issue of concern is potential exposure of people working on roofs to chemical or nanoparticle emissions or radiation. Currently, the risk of encountering these hazards is not always well-recognized and communicated to workers. The hazards at each building are different. We don't have a comprehensive evaluation of emissions from vents and wind patterns that affect exposure. Some vents are not labeled. There is no overall guiding policy on how to control roof access – local building personnel have developed their own systems. We need flexibility, with enough uniformity to ensure clear communication.

The desired state would include:

- Comprehensive hazard identification;
- Documented risk evaluations with periodic updates as conditions change;
- Uniform communications that can be clearly understood by workers accessing roofs;
- Links to related fall protection requirements; and
- An overall guiding policy to ensure this state is achieved and maintained.

Barbara Tuse has been drafting some ideas for the program. She has looked at the history of incidents at LBNL and other sites, talked to Division Safety Coordinators, and looked at the program at other sites, including LLNL and Hanford. Uncontrolled exposure to roof hazards can result in major incidents. Barbara Tuse is requesting input to finish developing the policy. She will be contacting the Chemical Safety Subcommittee, Biosafety Committee, and Radiation Safety Committee to ask for assistance.

### **Closing Remarks**

The July meeting will be one week later than usual (July 11) due to the Independence Day holiday. Possible topics for the July meeting include introduction of new EHS staff, laser safety, training database and on-the-job training, further feedback from the power outage incident, and feedback from DOE/HSS on electrical safety (if available).

The meeting was adjourned at 3:00 PM

Respectfully submitted, Patricia M. Thomas, SAC Secretary